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ABSTRACT

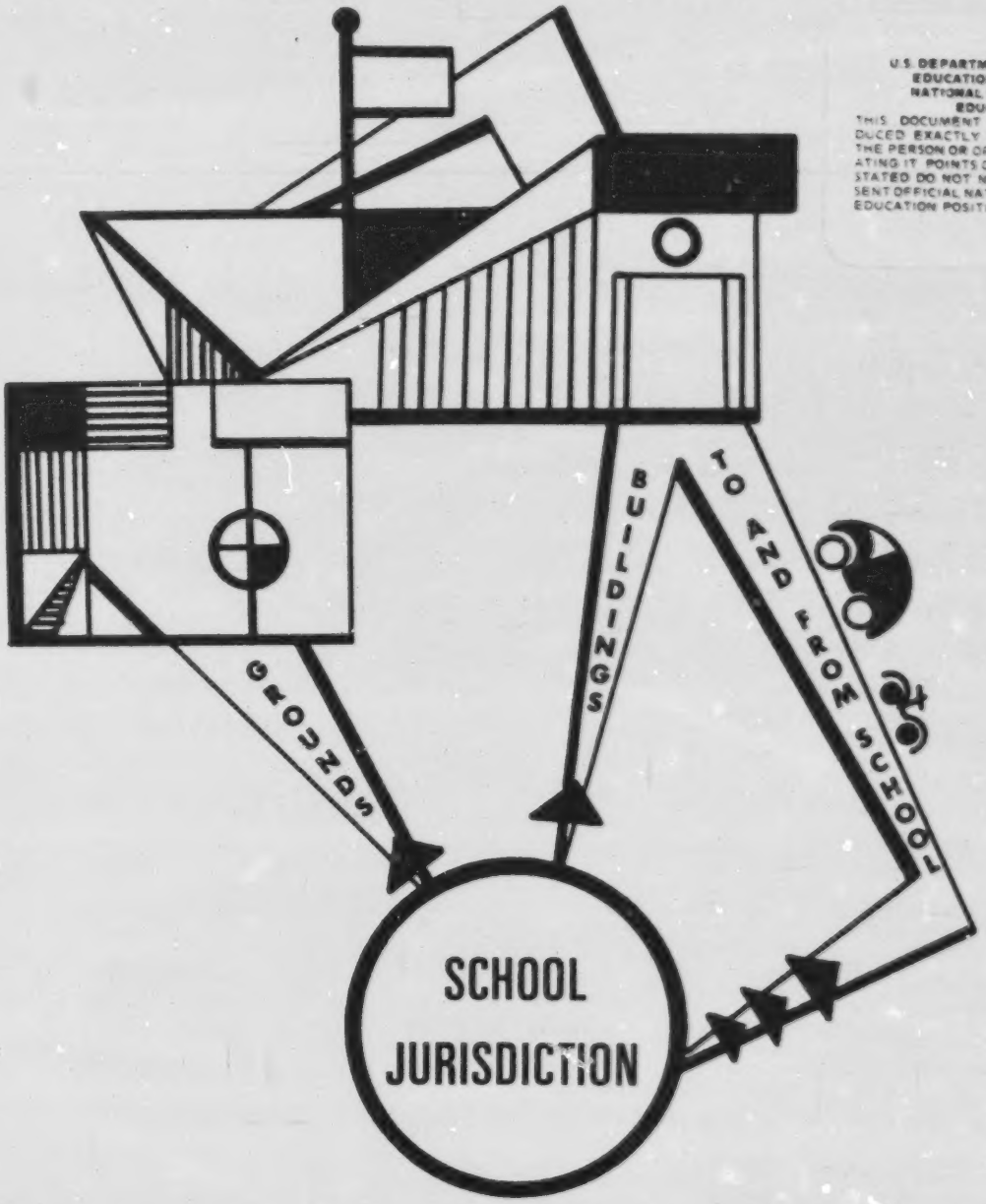
This report is intended to provide principals, department heads, teachers, and parents with specific information designed to assist them in isolating unsafe conditions, activities, and behavioral problems. The document is divided into three parts: (1) a pupil section, with tables showing where accidents occurred, what parts of the body were injured, the nature of the injury, and statistics relative to accident incidence; (2) an employee section, that contains tables showing accident totals by job classification, location, employee age, and number of work days lost; and (3) a summary section. (Page 36 may reproduce poorly.) (HLP)

ED 093064

ACCIDENT REPORT

1972-1973

PUPILS • EMPLOYEES



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EA 006 255

DENVER PUBLIC SCHOOLS • DENVER, COLORADO

DSP 8-73-1M BKE. N-193-69954

ED 093064

DENVER PUBLIC SCHOOLS

ACCIDENT REPORT
PUPILS -- EMPLOYEES
SCHOOL JURISDICTION

1972-1973

Compiled by

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PREFACE

The primary objective of the Safety program is to provide principals, department heads, teachers, and parents with specific information which will assist them in reducing school jurisdiction accidents.

Toward this end, the Denver Public Schools maintains the following memberships and/or liaisons:

- Colorado Safety Association
- National Safety Council
- Denver County P.T.A
- Denver Police Department
- Denver Fire Department
- Denver Emergency Preparedness Office
- Society On Safety
- Elementary School Safety Committee
- Elementary and Secondary School Principals
- Denver Traffic Engineering Department

Other activities include:

- Distribution of Periodic Safety Bulletins to schools; Guidelines For Meeting School Disorders (Publication); Safety Practices In The Instructional Program (Publication); Safety Patrol Handbook;
- providing emergency supplies to schools; and
- evaluating all required school emergency drills.

Accidents are considered MAJOR (recordable) if medical care is received or necessitate absence from school for one-half day or more; accidents are considered MINOR (reportable) if they result in any other injury.

This report is principally designed to identify all major school jurisdiction accidents involving full time day school pupils and employees reported during the 1972-1973 school year. A careful review of the data will assist us in isolating unsafe conditions, activities and behavioral problems.

Most safety experts agree that ninety percent of all accidents are preventable. It is felt that the home environment, and specifically mothers, hold the key to a large part of the problem in that pupils who do not exhibit hostility, anxiety, frustation, and general instability, are involved in far fewer accidents than those who do.

In an earlier day when our society and the lives of people were less complicated, these characteristics were far less prevalent. The school district fully realizes its responsibility for the safety of all pupils and will continue to strive toward that end.

In 1970 the Colorado Supreme Court abrogated the Doctrine of Sovereign Immunity with regard to all claims arising after June 30, 1972. During its 1971 session, the General Assembly of the State of Colorado enacted legislation for restoring significant parts of that protection for governmental entities such as the school districts. However, School District Number One has purchased general public liability insurance protecting both it and its employees from liability. These conditions have called for a mandate to report all injuries promptly and completely.

This report is dedicated to the cause of safety in the Denver Public Schools. Safety practices will facilitate the teaching-learning process, and, after all, that is our task.

Robert L. Conklin, Director
Office of Athletics, Recreation, and Safety

John M. Lampe, Executive Director
Department of Health Services

PUPIL SECTION

The Denver Public School form used for reporting pupil accidents is shown.

DENVER PUBLIC SCHOOLS

REPORT OF ACCIDENT

Interscholastic Athletics: Yes ___ No ___

NAME _____ ACCIDENT DATE _____
(Last) (First)

HOME ADDRESS _____ TIME _____ A.M. _____ P.M.

☐ PUPIL; ☐ PARENT; OTHER (Specify) _____

SEX: M F GRADE _____ AGE _____ SCHOOL _____

ACCIDENT JURISDICTION (CHECK ONE)

SCHOOL

☐ AUDITORIUM ☐ CORRIDOR ☐ LABORATORIES ☐ SHOWERS
☐ GROUNDS ☐ DRESSING ROOM ☐ POOL ☐ STAIRS
☐ CAFETERIA ☐ GYMNASIUM ☐ REST ROOM OTHER (Specify) _____
☐ CLASSROOM ☐ HOME ECONOMICS ☐ SHOP

OTHER DENVER PUBLIC SCHOOL JURISDICTION (Specify) _____

NON-SCHOOL: ☐ HOME ☐ TO AND FROM ☐ BICYCLE ☐ TRAFFIC

NATURE OF INJURY

☐ ABRASION ☐ BURN ☐ LACERATION ☐ SHOCK (EI)
☐ AMPUTATION ☐ CONCUSSION ☐ POISONING ☐ SPRAIN
☐ ASPHYXIATION ☐ CUT ☐ PUNCTURE OTHER (Specify) _____
☐ BITE ☐ DISLOCATION ☐ SCALD
☐ BRUISE ☐ FRACTURE ☐ SCRATCH

PART OF BODY INJURED

☐ ABDOMEN ☐ BACK ☐ ELBOW ☐ FINGER ☐ HEAD ☐ MOUTH ☐ TOOTH
☐ ANKLE ☐ CHEST ☐ EYE ☐ FOOT ☐ KNEE ☐ NOSE ☐ WRIST
☐ ARM ☐ EAR ☐ FACE ☐ HAND ☐ LEG ☐ SCALP OTHER (Specify) _____

DESCRIPTION OF THE ACCIDENT

Describe fully how accident occurred and what person was doing at the time: _____

List specifically the tool, machine, equipment, game, or activity most closely connected with the accident:

Teacher or supervisor in charge: _____

Present at scene of accident: Yes _____ No _____

Witnesses: Name _____ Address _____

Name _____ Address _____

IMMEDIATE ACTION TAKEN

First aid treatment by _____ Sent home by _____

Sent to school nurse by _____ Sent to physician: Dr. _____

Sent to hospital: Name _____

Name and relationship of person notified _____

FOLLOW-UP REPORT

(Complete before mailing copies as marked)

Number of school days missed _____

Signed: Principal _____

Teacher _____

Supervisor _____

Name _____ School _____

ORIGINAL—School copy
DUPLICATE—Health Services copy
TRIPLICATE—Athletics, Recreation and Safety copy

FORM 815
STOCK NO. 10718

UNIT ONE

TOTAL NUMBER OF ACCIDENTS

Pupils in the Denver Public Schools sustained a total of 1,874 major accidents last year.

The total number of accidents in elementary, junior and senior high schools is 1,874; boys have the highest number of injuries at all levels, 64.2%, more than double that of girls, 35.8%.

ELEMENTARY SCHOOL --	Boys	524
	Girls	353
	Total Accidents:	877
	Days Lost From School: ..	1,036
JUNIOR HIGH SCHOOLS -	Boys	335
	Girls	152
	Total Accidents:	487
	Days Lost From School: ..	604
SENIOR HIGH SCHOOLS -	Boys	345
	Girls	165
	Total Accidents:	510
	Days Lost From School: ..	482

The total pupil enrollment in the Denver Public Schools is 87,657.

UNIT TWO

WHERE DO ACCIDENTS OCCUR?

These three major categories illustrate where all accidents occurred to pupils during the 1972-1973 school year and depicts the total number of accidents reported in the school system for the 1972-1973 school year.

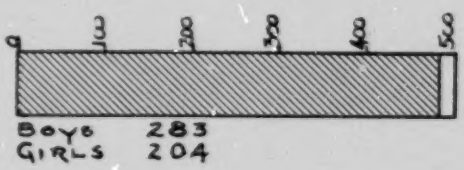
GROUNDS:	Elementary	487	
	Junior	113	
	Senior	162	TOTAL 762
BUILDINGS:	Elementary	345	
	Junior	360	
	Senior	334	TOTAL 1,039
TO-FROM:	Elementary	45	
	Junior	14	
	Senior	14	TOTAL 73

UNIT THREE

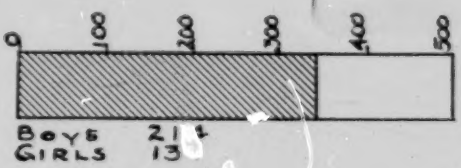
WHERE DO ACCIDENTS OCCUR?

The below illustrate the three main categories for school jurisdiction accidents in the elementary schools; over half of the accidents take place on the schoolgrounds. Buildings are involved as almost the entire balance although, children did have some difficulty getting to and from school safely.

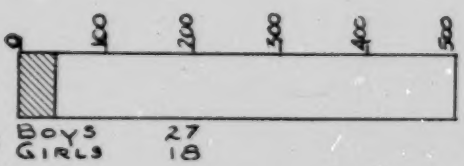
GROUNDS



BUILDINGS



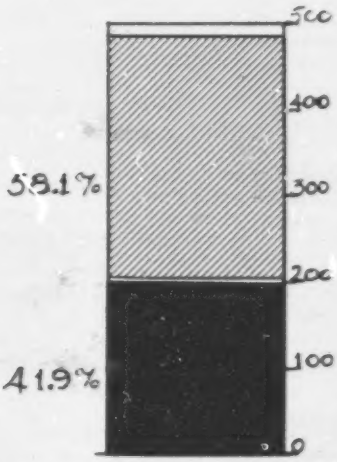
TO-FROM



The next three tables show the specific areas and activities where these accidents took place.

UNIT THREE

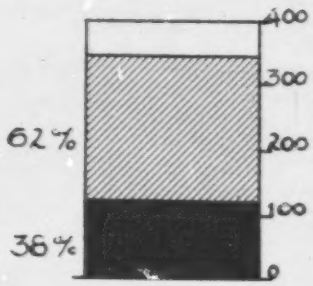
GROUNDS



Organsized Activities:			
Baseball/Softball	10	7	17
Basketball/Other Ball	48	24	72
Football (Flag/Touch)	17	2	19
Track	11	6	17
Other	7	1	8
Supervised:			
Noon-hour; Parties; Excursions; Etc.	109	69	178
Apparatus:			
Swings	17	17	34
Slides	10	5	15
Bars	14	21	35
Rings	1	16	17
Jungle Gym	8	19	27
Un-Supervised:	31	17	48
	283	204	487

UNIT THREE

BUILDINGS

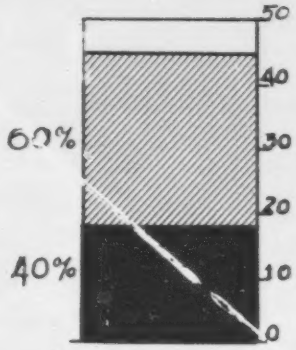


Auditorium	3	5	8
Cafeteria	9	2	11
Classroom	67	33	100
Corridors/Lockers	25	19	44
Gymnasium:			
Basketball	6	1	7
Other Ball	30	14	44
Wrestling	1		1
Apparatus/Ropes/ Etc.	20	16	36
Other Organized	9	17	26
Supervised	12	-	12
Restroom	13	7	20
Stairs	19	11	30
	214	131	345

BOYS
GIRLS

TO-FROM

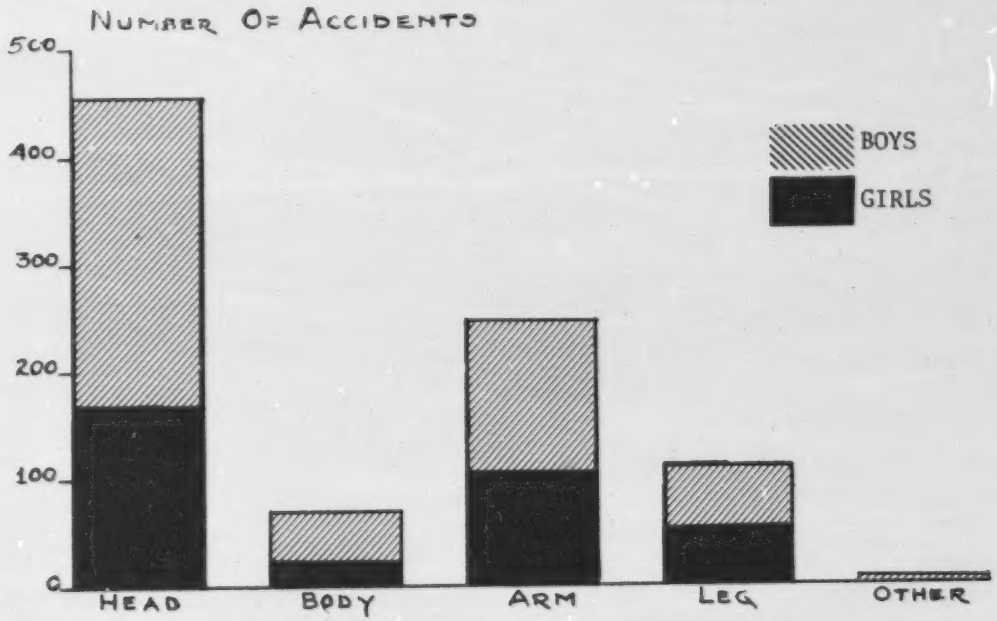
Traffic	9	5	14
Bus: School	2	-	2
Bicycle	1	-	1
Other	15	13	28
	27	18	45



PARTS OF THE BODY INJURED

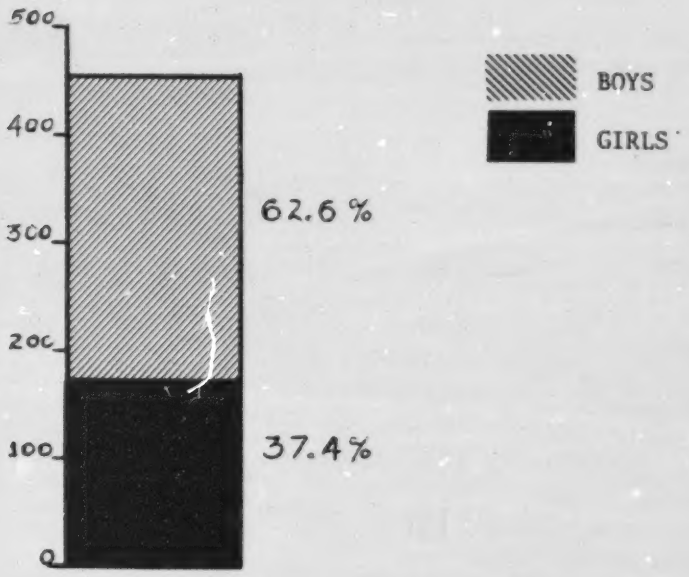
Body injuries are placed in the below categories. Note that more than half of all injuries were to the head.

				% of Total
HEAD	286	171	457	52.1
BODY (TORSO)	47	26	73	8.3
ARM	127	105	232	26.5
LEG	62	50	112	12.8
OTHER/NOT KNOWN	2	1	3	.3
	524	353	877	100.0



UNIT THREE

HEAD

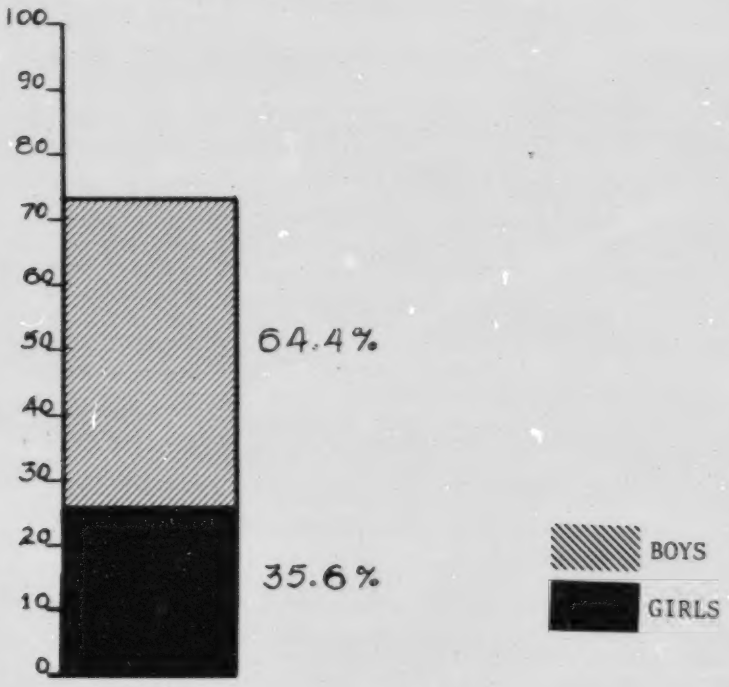


Boys sustained 171 more head injuries than girls-- nearly twice as many as girls.

Ear	4	3	7
Eye (All Direct Injuries)	21	14	35
Face	51	31	82
Jaw/Chin	9	7	16
Mouth/Tongue	21	8	29
Nose	12	12	24
Concussion/Severe Blow/scalp	57	33	90
Tooth (Permanent)	45	29	74
Not Specific	66	34	100
	286	171	457

UNIT THREE

BODY (TORSO)

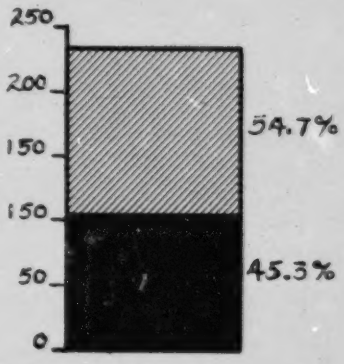


Abdomen	3	1	4
Chest	6		6
Collarbone	3	2	5
Hip/Pelvis/Groin	5	6	11
Internal/Organs	8	1	9
Neck	3	1	4
Rib	4	2	6
Shoulder	4	3	7
Spine/Back	11	10	21
	47	26	73

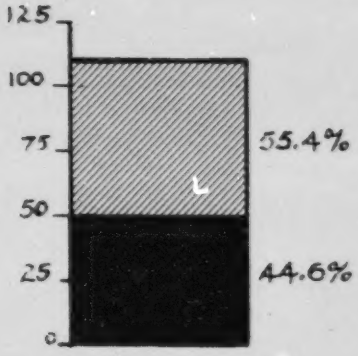
UNIT THREE

ARM

Elbow	9	7	16
Finger	43	26	69
Hand	21	6	27
Wrist	27	24	51
Not Specific	27	42	69
	127	105	232



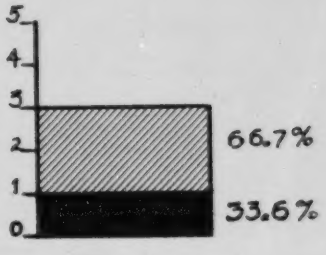
LEG



Ankle	16	13	29
Foot/Toe	15	8	23
Knee	15	14	29
Not Specific	16	15	31
	62	50	112

OTHER

Seizures/Fainting/ Not Known	2	1	3
	2	1	3



BOYS

GIRLS

UNIT THREE

NATURE OF INJURY

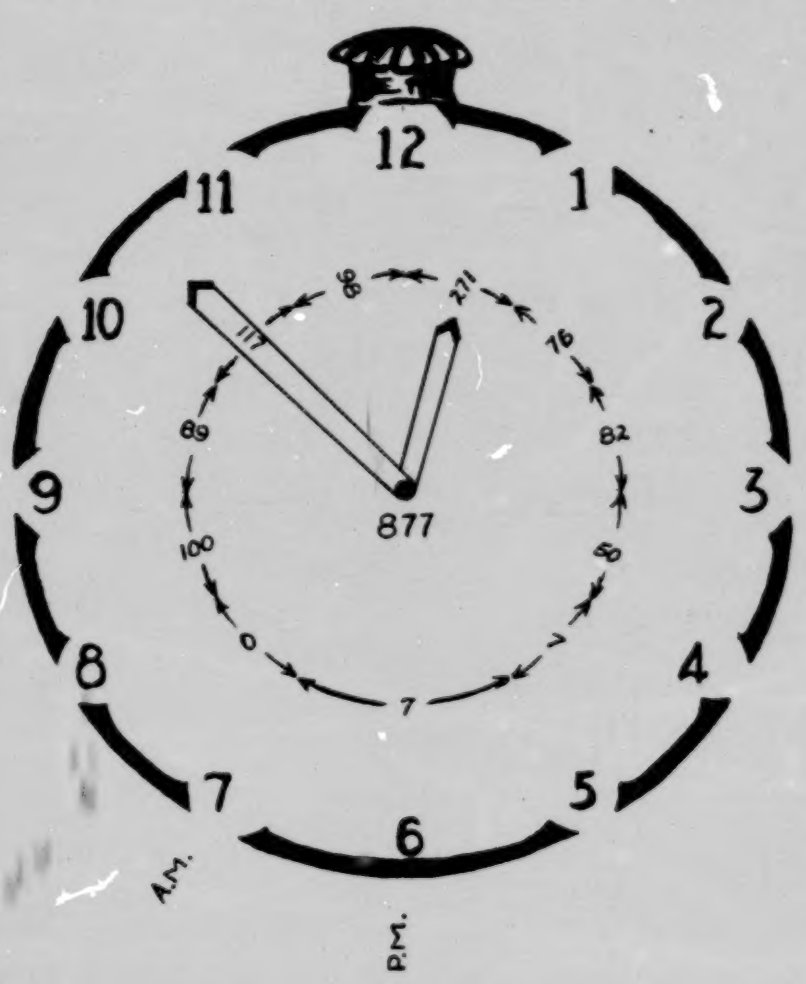
In analyzing the kinds of injuries, it is important to note that bruises, fractures, lacerations, cuts, and sprains are the worst offenders. All are enemies of children, however, and must be individually considered for solutions.

Abrasion	16	8	24
Amputation	-	1	1
Bite	6	6	12
Bruse	97	76	173
Burns (Acid/Scald)	-	2	2
Concussion	26	18	44
Cut/Stab	61	22	83
Dislocation	7	4	11
Eye (All injuries)	9	10	19
Fracture	80	70	150
Laceration	72	46	118
Puncture	14	6	20
Scratch	3	-	3
Severe Blow to Head	24	14	38
Sprain/Torn Ligament-Tendon	56	36	92
Swallowed Foreign Matter	4	-	4
Tooth (Permanent)	43	28	71
Other (Internal/Etc.)	6	6	12
	524	353	877

UNIT THREE

INCIDENCE OF ACCIDENTS BY TIME OF DAY

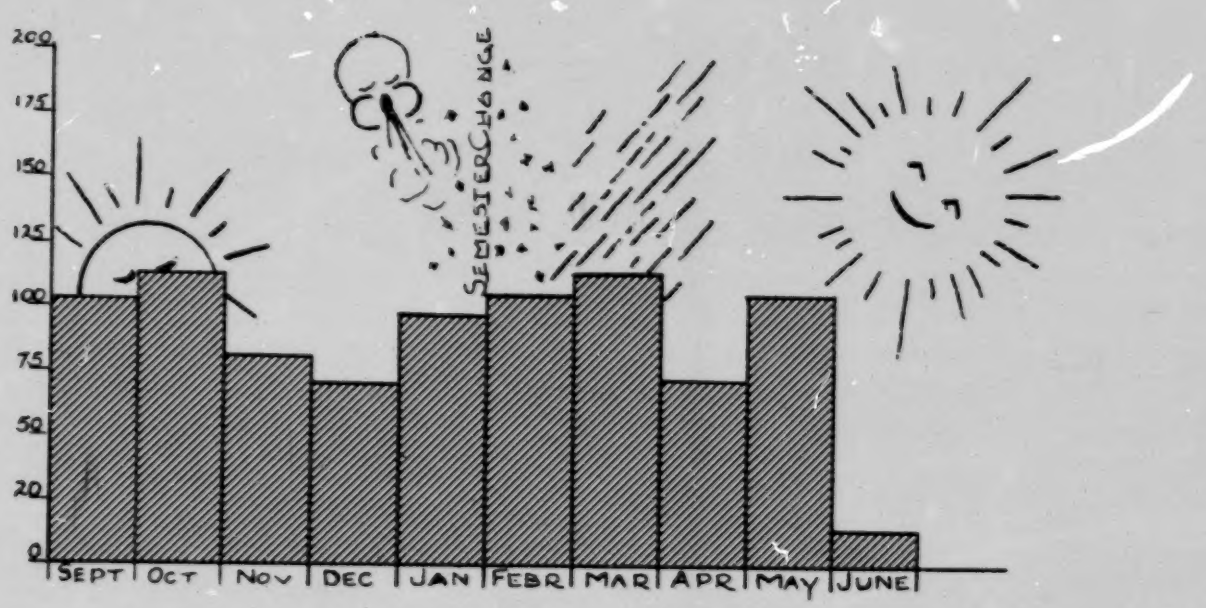
The following must be seen in terms of individual elementary school schedules. The tabulation suggests, however, that lunch periods are the most vulnerable; more emphasis and more supervision seem to be needed.



UNIT THREE

INCIDENCE OF ACCIDENTS BY MONTH

While the months of October and March lead this list, it is apparent that accidents are not particular about when they choose to happen!

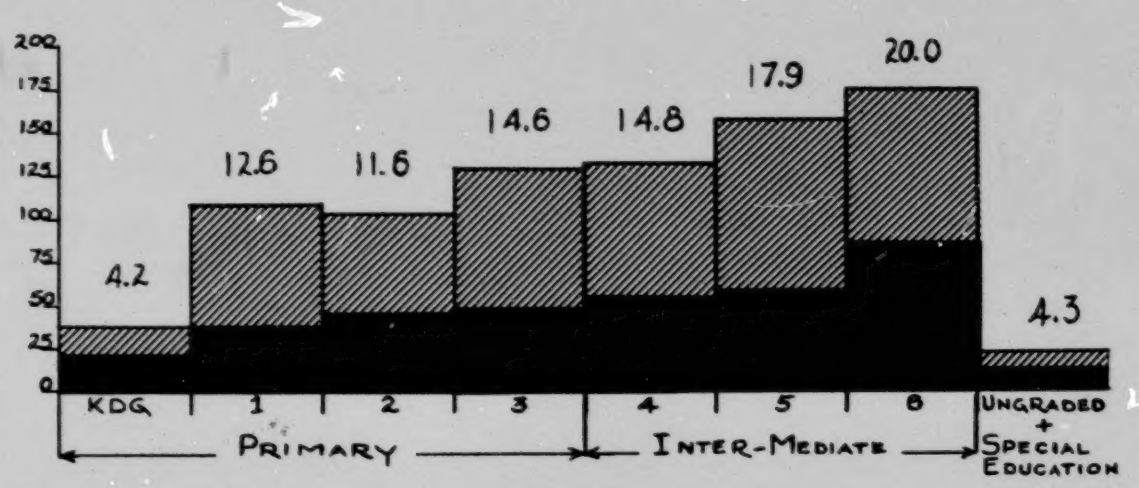


UNIT THREE

ACCIDENTS BY GRADE LEVEL

This portion of the report shows the difference between accidents to boys and accidents to girls by specific grade level and the resultant number of school days lost. It should be of value to all principals, teachers, and parents.

Grade five shows the highest incidence for elementary girls while grade six is the high for boys. Why?



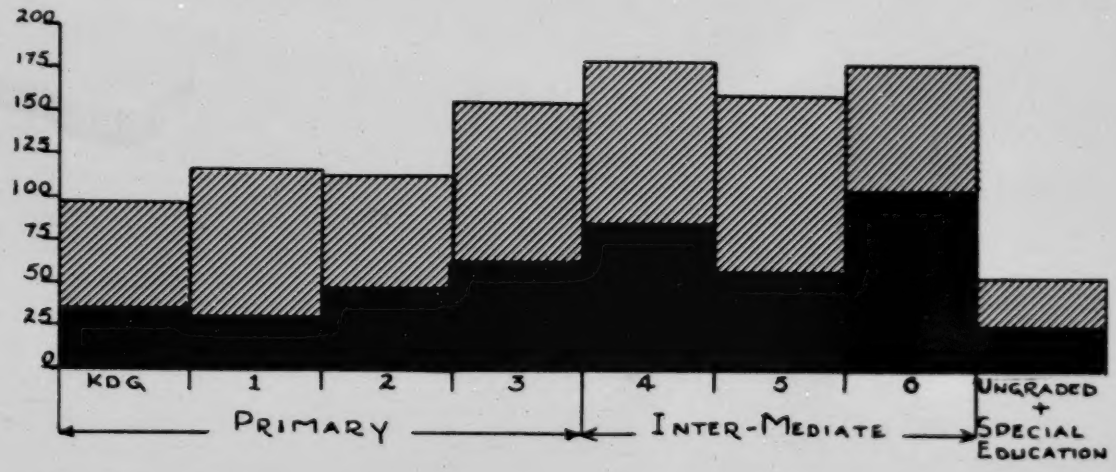
GRADE				% of Total
Kdg.	19	18	37	4.2
1	73	37	110	12.6
2	58	44	102	11.6
3	81	47	128	14.6
4	76	54	130	14.8
5	100	57	157	17.9
6	91	84	175	20.0
Un-Graded	11	5	16	1.8
Special Ed.	15	7	22	2.5
	524	353	877	100.0

UNIT THREE

SCHOOL DAYS LOST BY GRADE LEVEL

GRADE			
kdg.	63	29 1/2	92 1/2
1	85	27	112
2	62	48 1/2	110 1/2
3	87 1/2	67 1/2	155
4	94 1/2	85	179 1/2
5	102 1/2	56 1/2	159
6	74	102 1/2	176 1/2
Un-Graded	16 1/2	6 1/2	23
Special Ed.	9 1/2	18 1/2	28
	594 1/2	441 1/2	1,036

BOYS
GIRLS



UNIT THREE

REPORTS FROM INDIVIDUAL SCHOOLS

All elementary schools are listed showing their Average Daily Membership (A.D.M.), major (recordable) accidents, number of school days lost and the number of minor (reportable) accidents.

EXAMPLE: ELEMENTARY SCHOOL	A.D.M.	MAJOR ACCIDENTS =	Aggragate Attendance Days Lost	Minor Accidents
Converse	218	6	10	N/R

N/R None Reported

The above example indicates that 212 pupils did not sustain any major injury.

ELEMENTARY SCHOOL	A.D.M.	MAJOR ACCIDENTS =	Aggragate Attendance Days Lost	Minor Accidents
Alameda	190	6	10	2
Alcott	517	7	6	1
Asbury	563	10	6 1/2	5
Ash Grove	776	29	21	N/R
Ashland	569	1	1	1
Ashley	486	12	20	4
Barnum	806	6	8	1
Barrett	456	7	2	5
Beach Court	427	1	1	N/R
Belmont	210	6	3 1/2	1
Berkeley	320	18	24	2
Boettcher*	115	3	1	N/R
Boulevard	312	6	8 1/2	N/R
Bradley	878	21	16 1/2	N/R
Bromwell	290	2	2 1/2	1

UNIT THREE

ELEMENTARY SCHOOL	A.D.M.	MAJOR ACCIDENTS =	Aggragate Attendance Days Lost	Minor Accidents
Brown	561	25	46	1
Bryant-Webster	654	12	24	N/R
Carson	672	7	23 1/2	8
Cheltenham**	818	16	23	2
Colfax	321	7	5	15
College View	524	6	5	N/R
Columbian	563	10	17	21
Columbine	794	8	7	4
Cory	546	21	18	8
Cowell	483	13	20	5
Crofton	287	2	1/2	N/R
Denison	374	7	2 1/2	N/R
Doull	813	4	2	1
Eagleton	426	3	5	N/R
Ebert	294	8	24	1
Edison	657	11	11	1
Ellis	767	12	12	5
Ellsworth	142	2	2 1/2	N/R
Elmwood	359	9	11 1/2	3
Elyria	142	3	5 1/2	N/R
Emerson	271	6	3 1/2	N/R
Evans	175	6	4	3
Fairmont	538	N/R	-	N/R
Fairview	759	4	5 1/2	1
Fallis	315	17	23 1/2	2
Force	722	14	0	8
Garden Place	685	16	20 1/2	8
Gilpin	639	3	1 1/2	1
Godsman	438	3	6 1/2	N/R
Goldrick	724	16	13	2
Greenlee	849	7	14	18
Gust	787	33	13 1/2	13
Hallett	654	12	6 1/2	N/R
Harrington	475	4	3 1/2	4
Johnson	593	15	13	6
Knapp	614	20	9	10
Knight	587	34	26 1/2	2
Lincoln	531	11	7 1/2	N/R
McKinley	254	7	5 1/2	N/R
McMeen	866	19	28	5

UNIT THREE

ELEMENTARY SCHOOL	A.D.M.	MAJOR ACCIDENTS	Aggragate Attendance Days Lost	Minor Accidents
Mitchell	808	9	7 1/2	N/R
Montbello	501	4	2 1/2	N/R
Montclair	580	8	6 1/2	N/R
Montclair Annex	130	N/R		N/R
Moore	561	13	22	10
Munroe	480	5	20	3
Newlon	623	8	3	1
Palmer	353	14	10	2
Park Hill	1,046	23	41	1
Philips	553	10	13 1/2	1
Pitts	432	6	6	1
Remington	323	6	6 1/2	5
Rosedale	343	5	3	3
Sabin	1,211	16	30	3
Schenck	641	19	31	17
Schmitt	487	17	23 1/2	1
Sherman	227	4	12 1/2	1
Slavens	626	13	9	1
Smedley	670	26	70	5
Smith	921	6	4	5
Steck	357	7	10	1
Stedman	575	9	10	11
Steele	663	3	1/2	5
Stevens	287	2	1	N/R
Swansea	604	1	2	N/R
Teller	413	3	1	2
Thatcher	398	7	6 1/2	1
Traylor	703	9	3 1/2	4
University Park	876	15	6 1/2	3
Valverde	557	7	9	15
Waskington Park	467	19	21	12
Westwood	625	N/R		2
Whiteman	534	5	8 1/2	N/R
Whittier	776	6	4	1
Wyatt	419	2	26	2
Wyman	315	2	3 1/2	6
TOTAL ELEMENTARY	48,573	877 (a)	1,036	306

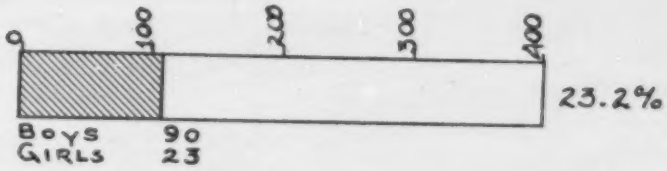
* School for Severely Handicapped
** Un-Graded School
(a) Includes 22 Special Education Pupils

UNIT FOUR

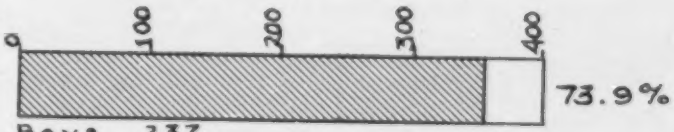
WHERE DO ACCIDENTS OCCUR?

The 487 total number of accidents in junior high schools is shown below using the three main categories for school jurisdiction accidents.

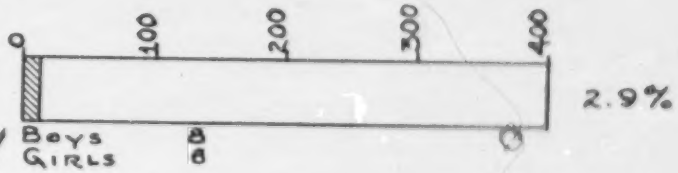
GROUNDS



BUILDINGS



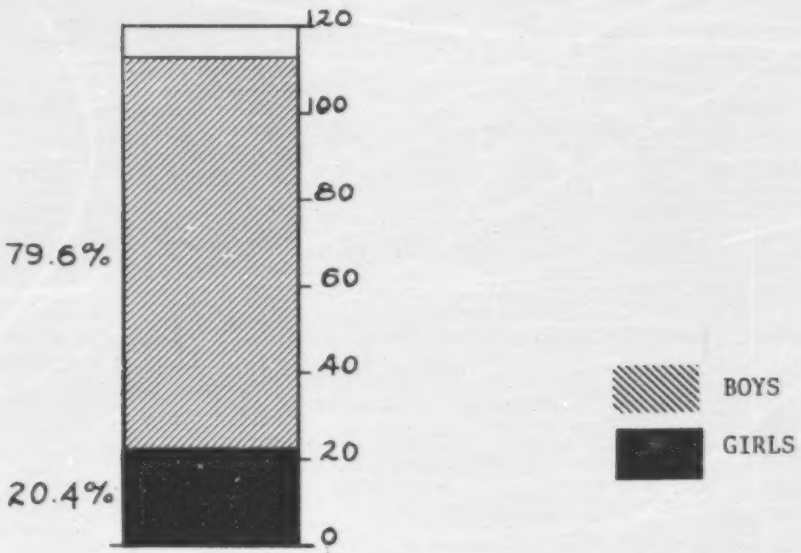
TO-FROM



The next three tables illustrate the division of accidents between boys and girls by specific areas and activities as they occurred. The large majority of these accidents happened on school grounds. Injuries to pupils in the category going to and from school is remarkably low.

UNIT FOUR

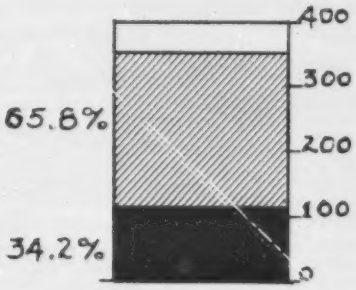
GROUNDS



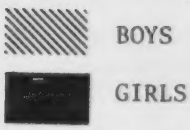
Organized Activities:			
Baseball/Softball	7	-	7
Basketball/Other Ball	11	-	11
Football (Flag/Touch)	41	1	42
Track	3	2	5
Other/Etc.	3	10	13
Supervised:			
Noon-hour/Parties/ Excursions/Etc.	18	5	23
School Sponsored:			
Picnics/Parties/Etc.	2	2	4
Un-Supervised:	5	3	8
	90	23	113

UNIT FOUR

BUILDINGS



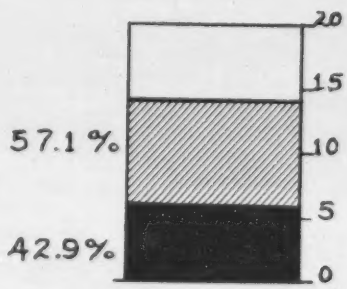
Auditorium	4	1	5
Cafeteria	5	1	6
Classroom	30	12	42
Corridor/Lockers	30	25	55
Dressing Rooms/Showers	3	1	4
Gymnasium:			
Basketball	36	6	42
Other Ball	15	9	24
Wrestling	17	-	17
Apparatus/Ropes/ Etc.	16	30	46
Other Organized	15	13	28
Supervised	7	2	9
Home Economics/Shop	32	8	40
Science Lab	2	2	4
Pool*	3	-	3
Restroom	1	1	2
Stairs	18	10	28
Other**	3	2	5
	237	123	360



*Only 2 junior high schools have pools
**Includes Parties; Excursions; Etc.

TO-FROM

Traffic	1	1	2
Bus: Commercial		1	1
School	2	1	3
Bicycle		1	1
Other	5	2	7
	8	6	14



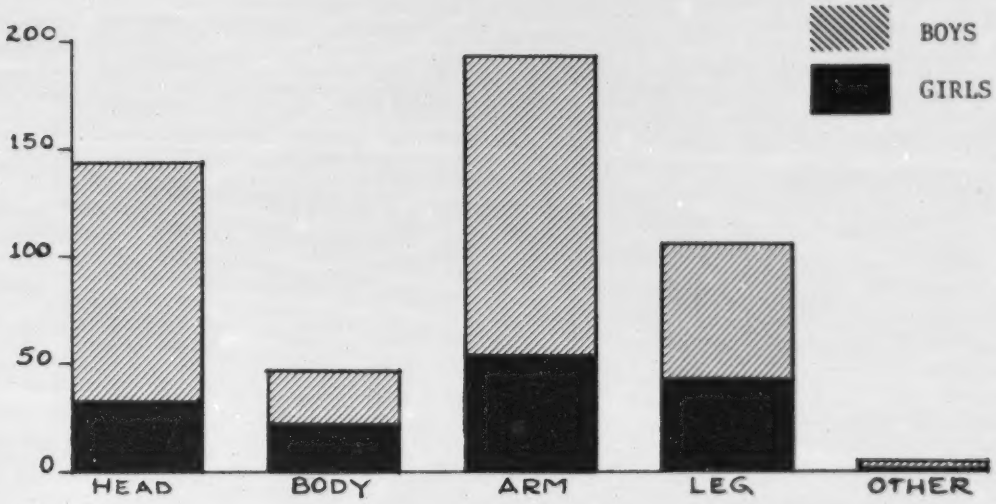
UNIT FOUR

PARTS OF THE BODY INJURED

Body injuries are placed in the categories below. Arm injuries had the highest incidence for junior high school pupils -- head and leg injuries follow in close order.

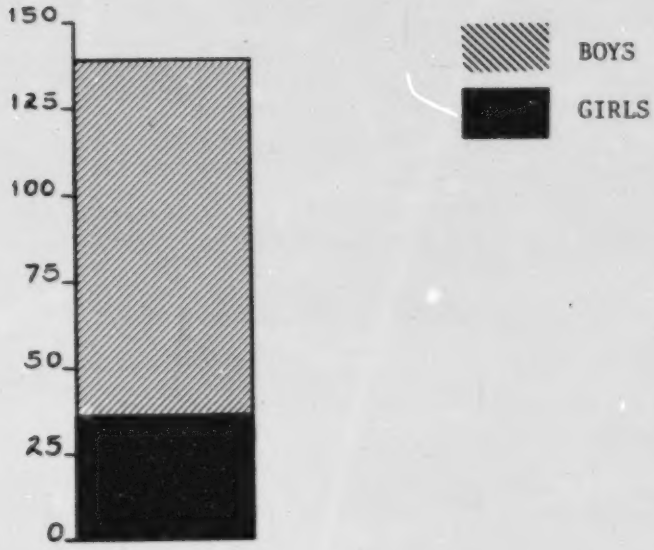
Boys had morethan two-thirds of the total accidents.

				% of Total
HEAD	111	31	142	29.1
BODY (TORSO)	27	20	47	9.7
ARM	127	55	182	37.4
LEG	69	44	113	23.2
OTHER/NOT KNOWN	1	2	3	.6
	335	152	487	100.0



UNIT FOUR

HEAD



Of the 111 head injuries, boys sustained 80; permanent damage to teeth, injuries to eyes, and concussions (or severe blows to the head) were highest - all of gravest concern.

Ear	3	-	3
Eye (All Direct Injuries)	16	3	19
Face	11	4	15
Jaw/Chin	5	2	7
Mouth/Tongue	13	1	14
Nose	8	6	14
Concussion/Severe Blow/Scalp	18	5	23
Tooth	21	4	25
Not Specific	16	6	22
	111	31	142

UNIT FOUR

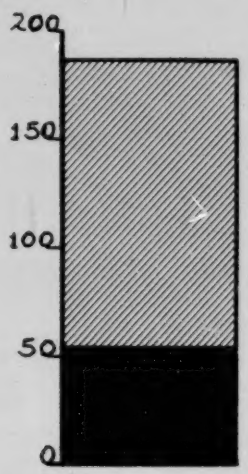
BODY (TORSO)

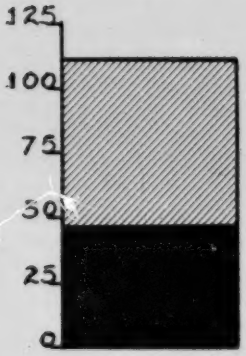
Chest	3	-	3
Collarbone	3	1	4
Hip/Pelvis/Groin	1	2	3
Internal/Organs	4	1	5
Neck	4	4	8
Rib	1	2	3
Shoulder	8	2	10
Spine/Back	3	8	11
	27	20	47

UNIT FOUR

ARM

Elbow	5	6	11
Finger	54	20	74
Hand	24	7	31
Wrist	23	11	34
Not Specific	21	11	32
	127	55	182



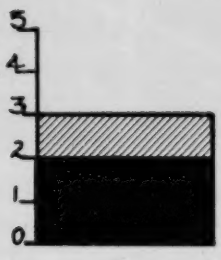


LEG

Ankle	21	11	32
Foot/Toe	15	11	26
Knee	16	10	26
Not Specific	17	12	29
	69	44	113

OTHER

Seizures/Fainting/ Not Known	1	2	3
	1	2	3



BOYS

GIRLS

UNIT FOUR

NATURE OF INJURY

Junior high pupils seem most suseptible to fractures, sprains, lacerations, bruises, and cuts. Due to their varied activities, more kinds of accidents happen to them than elementary pupils.

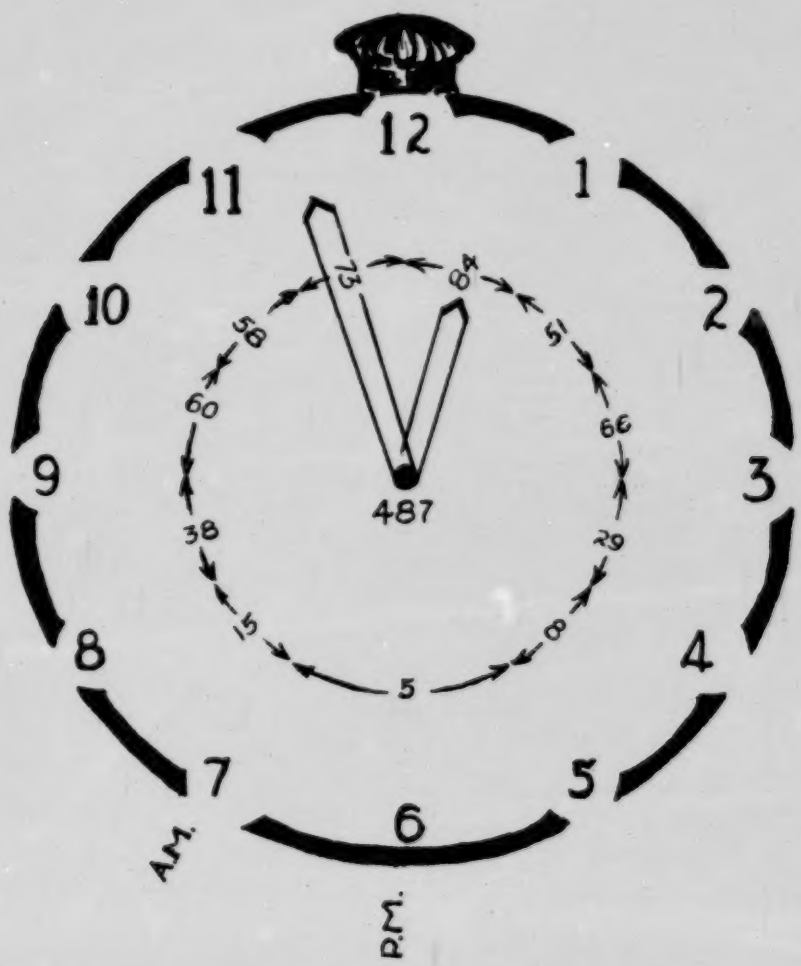
The two amputations are significant and refer to the loss of a finger by two pupils: one was caught in a corridor door and the other resulted from a saw in shop class.

Abrasion	10	3	13
Amputation	2	-	2
Bite	1	1	-
Bruise	32	26	58
Burns (Acid/Scald)	3	8	11
Concussion	8	2	10
Cut/Stab	33	7	40
Dislocation	8	7	15
Eye (All Direct Injuries	11	-	11
Fracture	78	36	114
Laceration	53	13	66
Puncture	14	1	15
Scratch	1	2	3
Severe Blow to Head	10	4	14
Sprain/Torn Ligament-Tendon	50	36	86
Tooth	19	4	23
Other (Internal/Etc.)	2	3	5
	335	152	487

UNIT FOUR

INCIDENCE OF ACCIDENTS BY TIME OF DAY

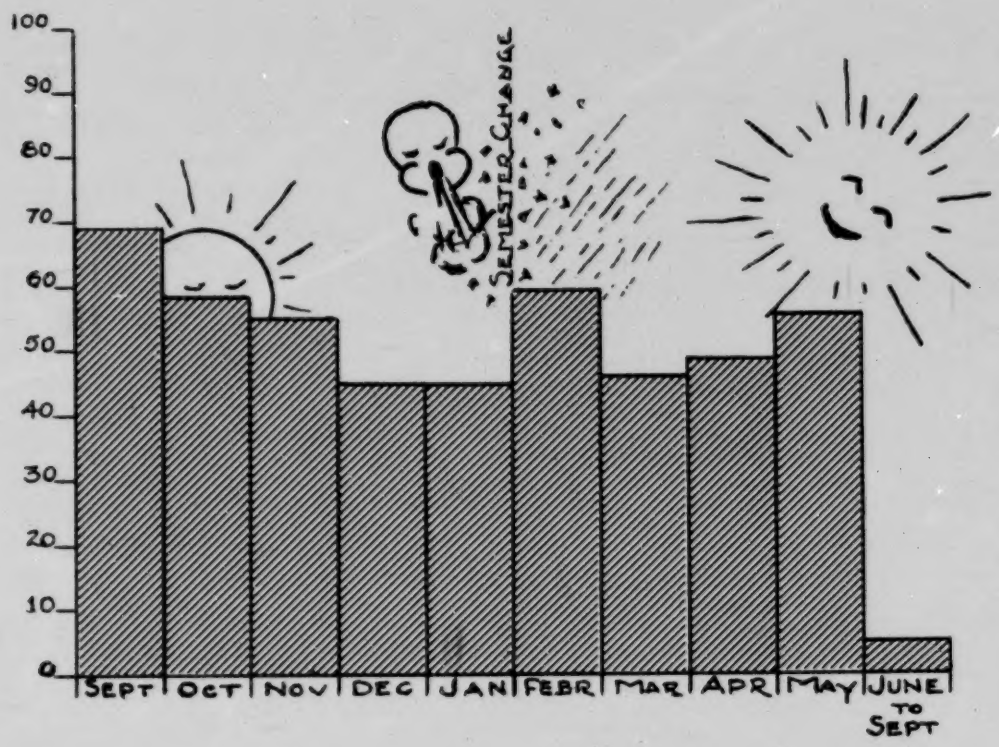
This must be seen in term of individual junior high school schedules. The period from 11:00 a.m. to 1:00 p.m. reflects the highest incidence; however, the entire period from 8:00 a.m. to 3:00 p.m. is of great concern.



UNIT FOUR

INCIDENCE OF ACCIDENTS BY MONTH

While September shows the highest incidence of accidents for junior high school pupils, this report is characterized by a consistent balance throughout the school year.

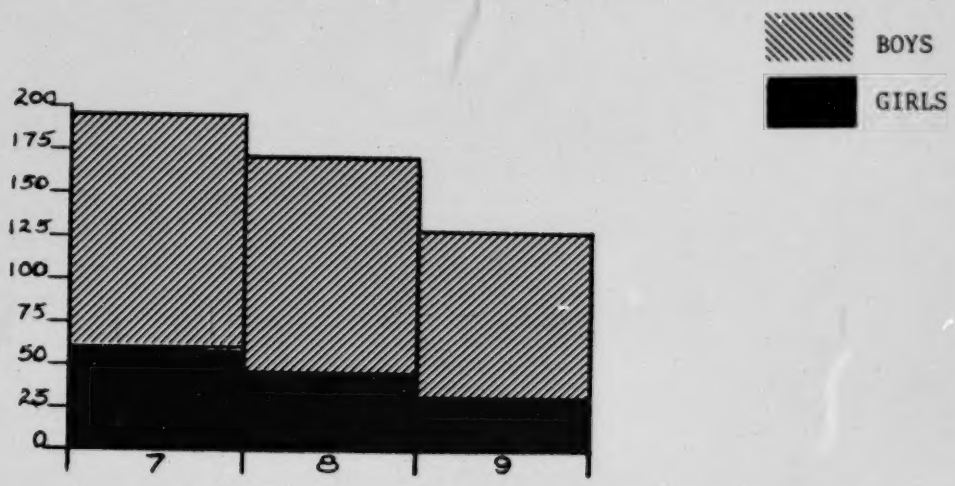


UNIT FOUR

ACCIDENTS BY GRADE LEVEL

This portion of the report shows the difference between accidents to boys and accidents to girls by specific grade level and the resultant number of school days lost. It should be of value to all principals, teachers, and parents.

Grade seven is high for both boys and girls in junior high school. Why?

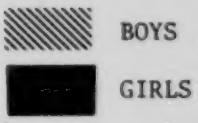


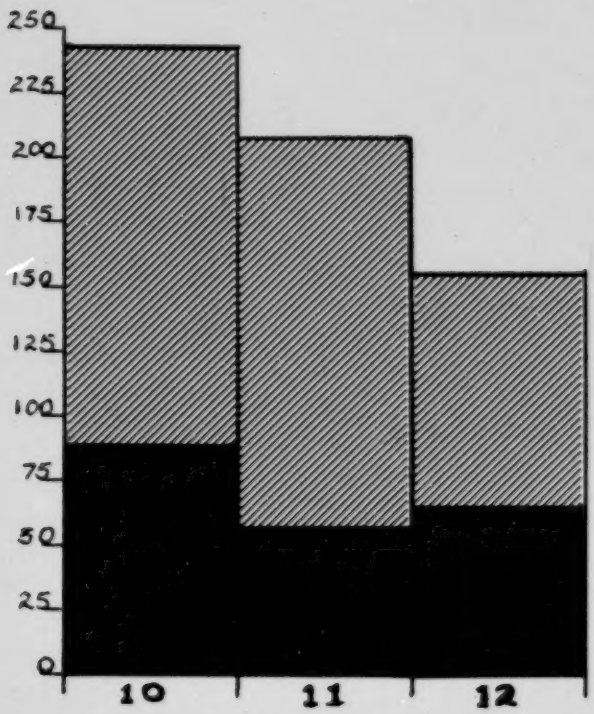
GRADE				% of Total
7	125	66	191	39.2
8	123	47	170	34.9
9	87	39	126	25.9
	335	152	487	100.0

UNIT FOUR

SCHOOL DAYS LOST BY GRADE LEVEL

GRADE			
7	145	94 1/2	239 1/2
8	152 1/2	58	210 1/2
9	94	60	154
	391 1/2	212 1/2	604





UNIT FOUR

REPORTS FROM INDIVIDUAL SCHOOLS

All junior high schools are listed showing their Average Daily Membership (A.D.M.), major (recordable) accidents, number of school days lost and the number of minor (reportable) accidents.

EXAMPLE: JUNIOR HIGH SCHOOL	A.D.M.	MAJOR ACCIDENTS =	Aggragate Attendance Days Lost	Minor Accidents
Simpson	218	6	10	N/R

N/R None Reported

The above example indicates that 212 pupils did not sustain any major accidents.

JUNIOR HIGH SCHOOL	A.D.M.	MAJOR ACCIDENTS =	Aggragate Attendance Days Lost	Minor Accidents
Baker	750	26	19	9
Boettcher*	76	N/R		N/R
Byers	1,057	5	11 1/2	N/R
Cole	820	12	19	4
Gove	687	34	52 1/2	10
Grant	715	25	38	9
Hamilton	1,551	46	31 1/2	21
Hill	1,411	33	50 1/2	2
J. F. Kennedy	1,658	71	51 1/2	10
Kepner	1,411	8	16	N/R
Kunsmiller	1,692	42	36	4
Lake	1,184	19	29 1/2	9
Mann	1,158	5	8 1/2	N/R
Merrill	1,139	3	1	N/R
Morey	639	14	12 1/2	4
Place	1,258	41	49 1/2	4
Rishel	1,163	13	27	2
Skinner	1,262	65	82 1/2	22
Smiley	1,515	25	68	3
TOTAL JUNIOR HIGH	21,146	487	604	113

* School for severely handicapped

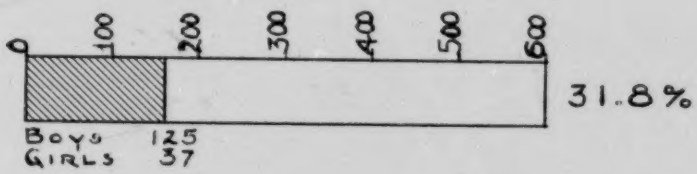
UNIT FOUR

WHERE DO ACCIDENTS OCCUR?

The total number of 510 accidents in senior high schools is shown below using the three main categories for school jurisdiction accidents.

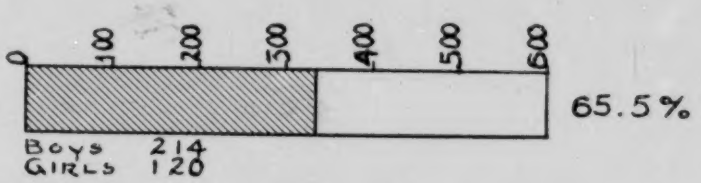
Note: Athletic injuries are included, but are treated in more detail on page

GROUNDS



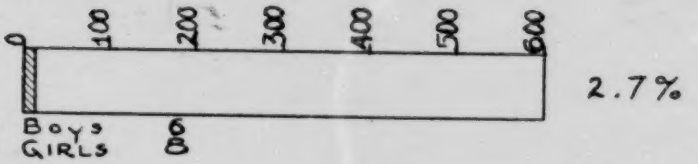
31.8%

BUILDINGS



65.5%

TO-FROM

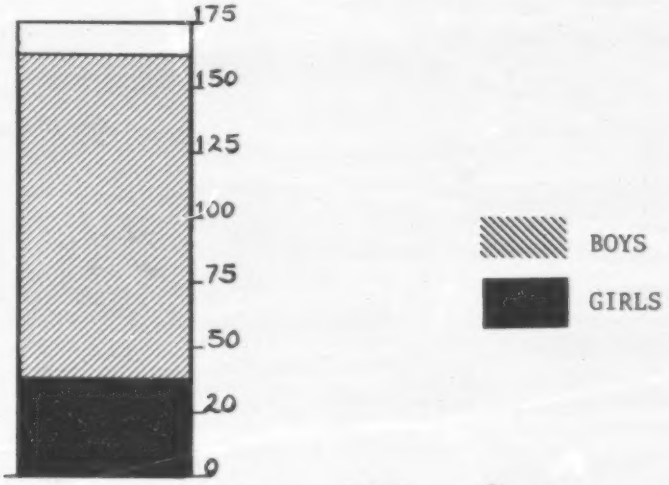


2.7%

The next three tables illustrate the division of accidents between boys and girls by specific areas and activities as they occurred. While elementary and junior high school pupils showed the highest incidence on school grounds, senior high pupils show a much higher percentage of accidents in buildings.

UNIT FIVE

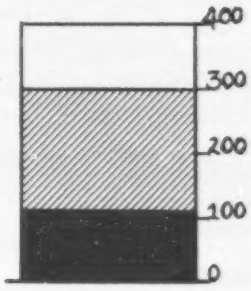
GROUNDS



Organized Activites:			
Baseball/Softball	4	1	5
Basketball/Other Ball	3	1	4
Football (Flag/Touch)	22	3	25
Track	1	-	1
Other/ROTC/Etc.	9	4	13
Supervised:			
Noon-hour/Partics/ Excursions/Etc.	9	5	14
Athletics (Includes Practice):			
Football	38	-	38
Golf	-	-	-
Cross-Country	1	-	1
Tennis		2	2
Basketball	6		6
Wrestling	8	-	8
Swimming	2	-	2
Gymnastics	3	12	15
Baseball	8	-	8
Track	3	1	4
Un-Supervised:	8	8	16
	125	37	162

UNIT FIVE

BUILDINGS



			Total
Auditorium	5	3	8
Cafeteria	4	1	5
Classroom	17	9	26
Corridors/Lockers	16	8	24
Dressing Rooms/ Showers	4	-	4
Gymnasium (Includes Athletics)			
Basketball	43	8	51
Other Ball	15	10	25
Wrestling	8	-	8
Apparatus-Gymnastics	28	44	72
Vocations			
Home Ec./Nursing	1	4	5
Shops	31	1	32
Science Labs	4	3	7
Pool*	14	3	17
Restrooms		3	3
Stairs	8	11	19
Other/ROTC/ Excursions/Etc.	6	-	6
	214	120	334

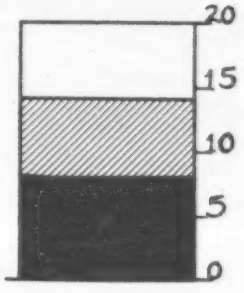
BOYS

GIRLS

*Only 4 of the 9 high schools have pools

TO-FROM

Traffic	2	5	7
Bicycle	2	-	2
Other	2	3	5
	6	8	14

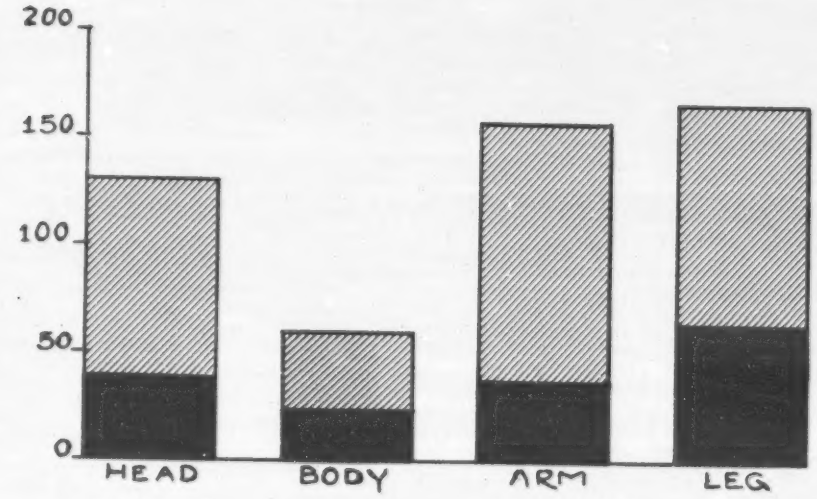


UNIT FIVE

PARTS OF THE BODY INJURED

Body injuries are placed in the categories below. Leg, arm and head injuries show the highest incidence for senior high school pupils.

				% of Total
HEAD	90	39	129	25.3
BODY (TORSO)	36	24	60	11.8
ARM	118	38	156	30.6
LEG	101	64	165	32.3
	345	165	510	100.0

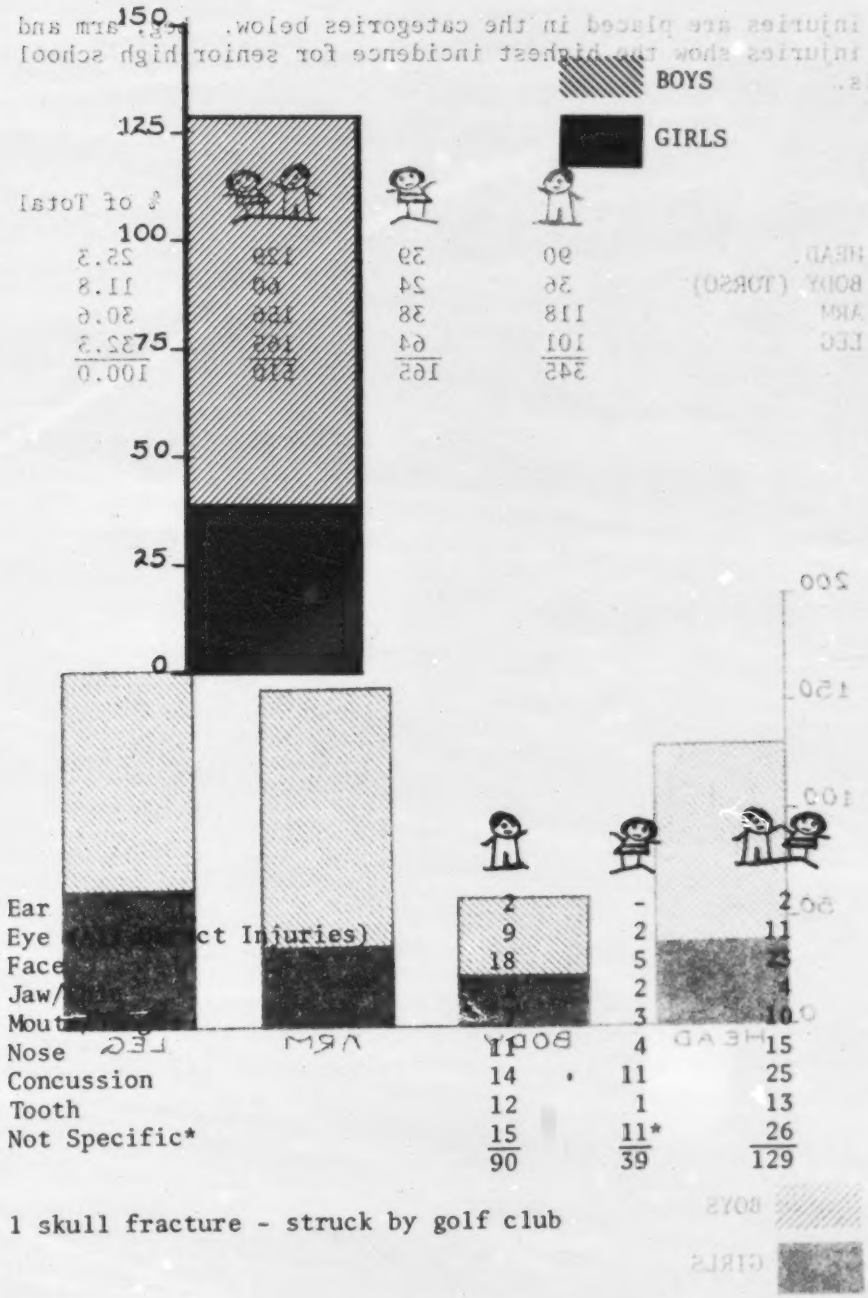


BOYS

GIRLS

UNIT FIVE

HEAD

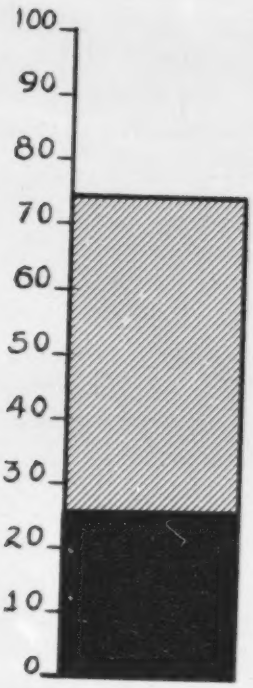


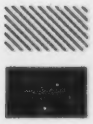
Ear			
Eye			
Face			
Jaw/			
Mout			
Nose	11	4	15
Concussion	14	11	25
Tooth	12	1	13
Not Specific*	15	11*	26
	90	39	129

*Includes 1 skull fracture - struck by golf club

UNIT FIVE

BODY (TORSO)



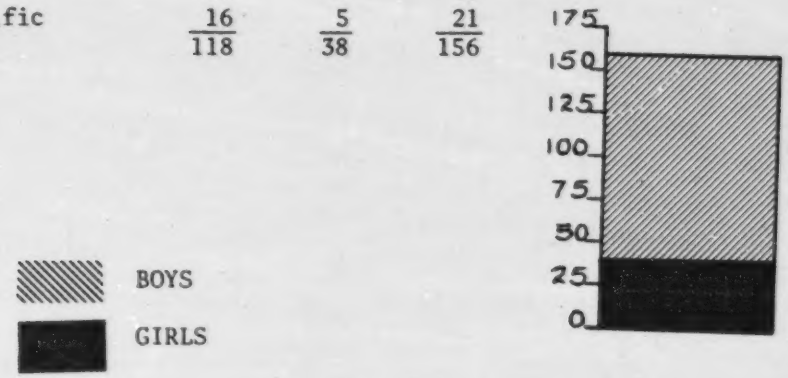


Chest	5	-	5
Collarbone	2	-	2
Hip/Pelvis/Groin	2	3	5
Internal/Organs	3	4	7
Neck	6	3	9
Shoulder	11	4	15
Spine/Back	7	10	17
	36	24	60

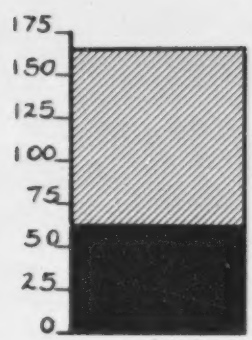
UNIT FIVE

ARM

Elbow	5	5	10
Finger	58	16	74
Hand	23	5	28
Wrist	16	7	23
Not Specific	16	5	21
	118	38	156



LEG



Ankle	36	17	53
Foot/Toe	24	23	47
Knee	25	14	39
Not Specific	16	10	26
	101	64	165

UNIT FIVE

NATURE OF INJURY

Senior high pupils seem most vulnerable to sprains, fractures, lacerations, and bruises. Boys show more injuries than girls in all but the final category. Senior high pupils had twenty-three more accidents than their junior high counterparts.

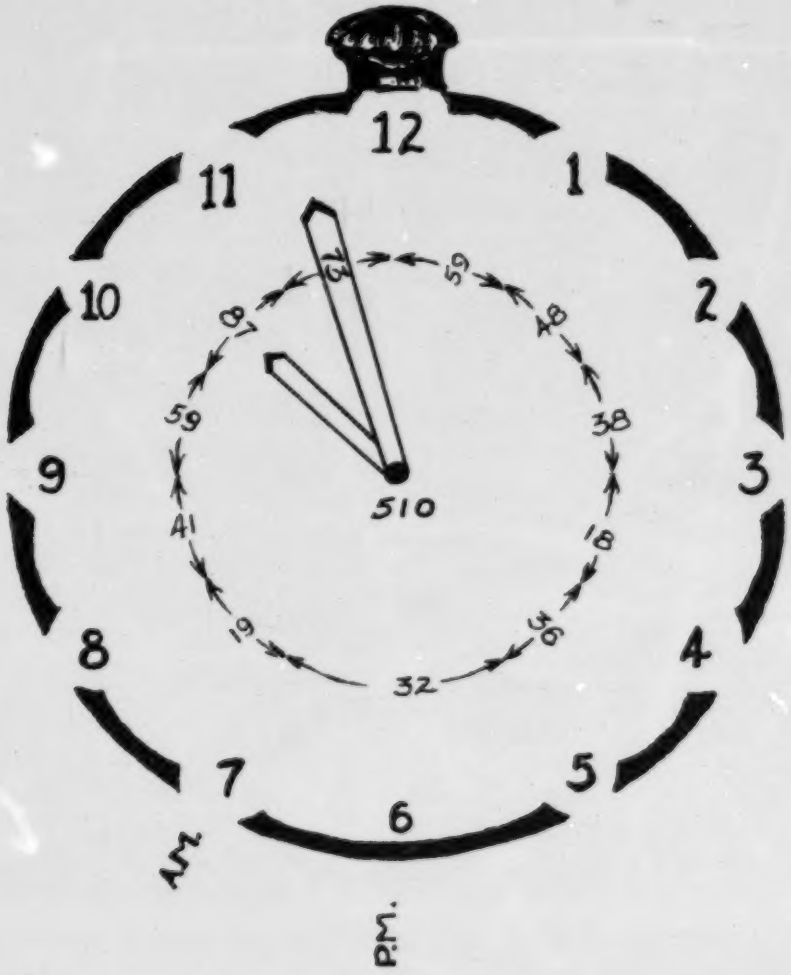
The amputation shown occurred in a stagecraft class and resulted in the loss of two fingers.

Abrasion	3	2	5
Amputation	1	-	1
Bite	2	3	5
Bruise	47	31	78
Burns (Acid/Scald)	5	2	7
Concussion	9	8	17
Cut/Stab	27	18	45
Dislocations	18	9	27
Eye (All injuries)	5	1	6
Fractures	71	19	90
Lacerations	65	13	78
Puncture	3	-	3
Scratch	2	1	3
Severe Blow to Head	4	2	6
Sprain/Torn Ligament-Tendon	71	51	122
Tooth	10	1	11
Other (Internal/Etc.	2	4	6
	345	165	510

UNIT FIVE

INCIDENCE OF ACCIDENTS BY TIME OF DAY

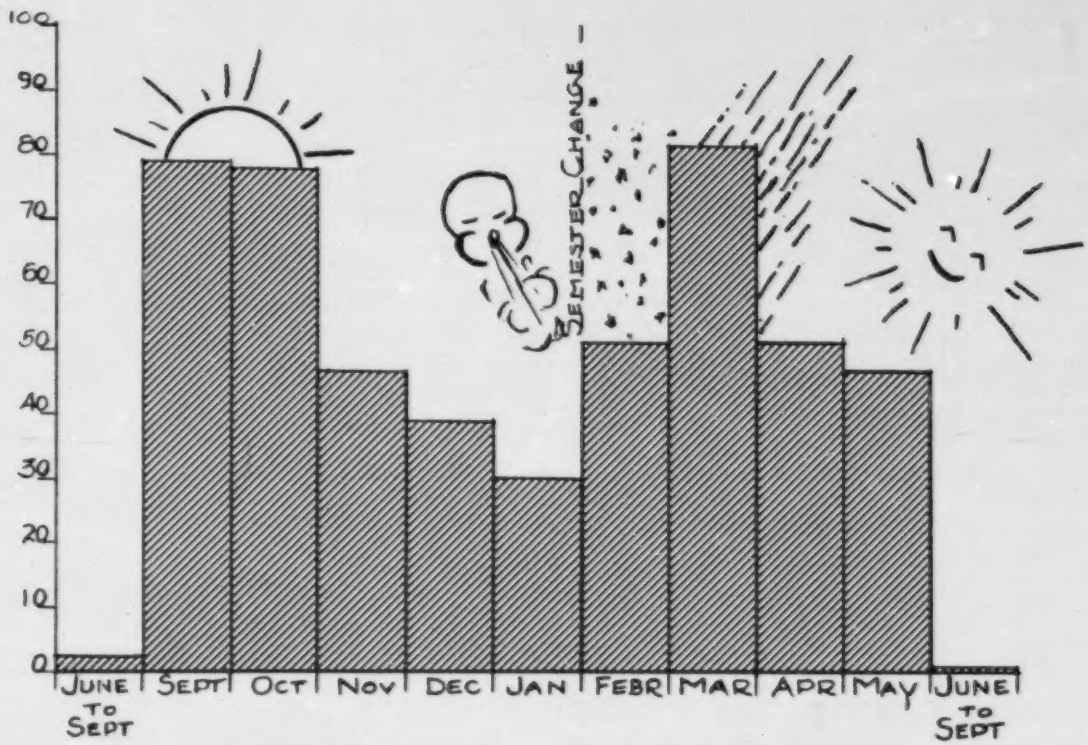
The following must be seen in terms of individual high school schedules. The period from 10:00 a.m. to 12:00 noon shows the highest incidence of accidents.



UNIT FIVE

INCIDENCE OF ACCIDENTS BY MONTH

March, September and October, in that order, show the highest incidence of accidents for senior high pupils.

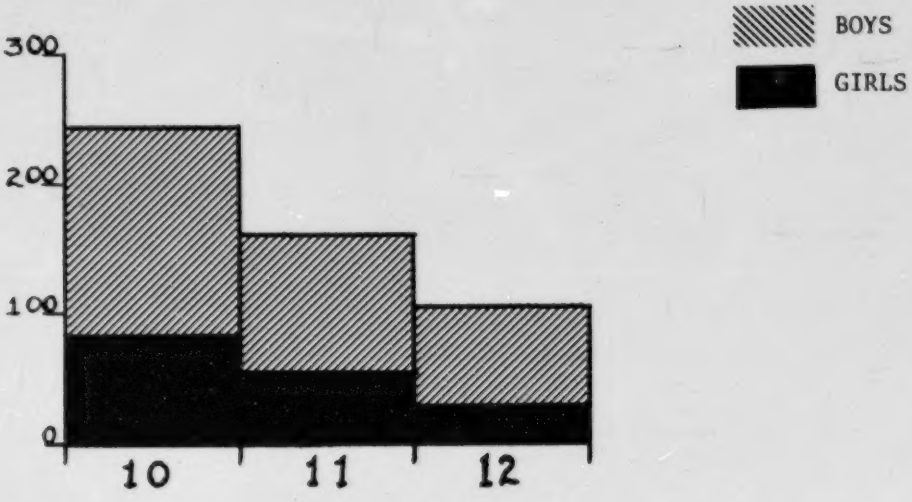


UNIT FIVE

ACCIDENTS BY GRADE LEVEL

This portion of the report shows the difference between accidents to boys and accidents to girls by specific grade level and the resultant number of school days lost. It should be of value to all principals, teachers, and parents.

Grade ten is high for senior high school girls and boys. Why?

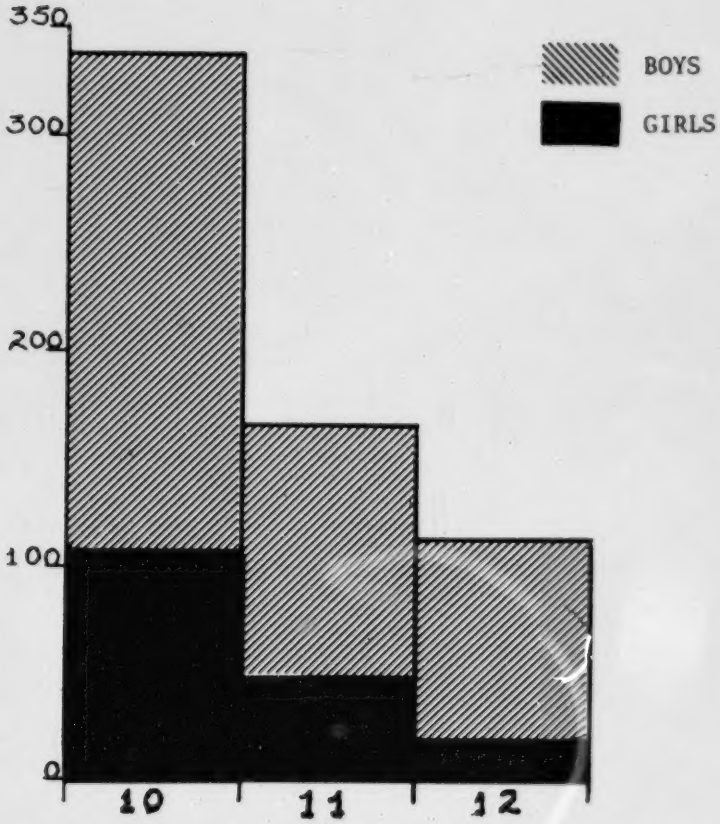


GRADE				% of Total
10	158	83	241	47.2
11	111	52	163	32.0
12	76	30	106	20.8
	345	165	510	100.0

UNIT FIVE

SCHOOL DAYS LOST BY GRADE LEVEL

GRADE			
10	230	108	338
11	116	49 1/2	165 1/2
12	92	20	112
	438	177 1/2	615 1/2

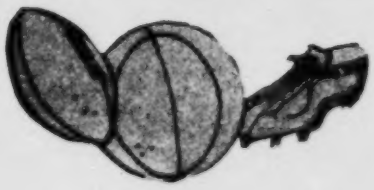


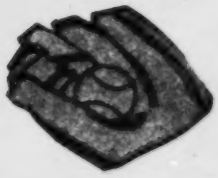
UNIT FIVE

INTERSCHOLASTIC ATHLETICS

The boys' athletic program includes each of the sports listed below. The girls participate in five--golf, tennis, swimming, gymnastics, and track.

SPORTS INVOLVED:	Boys	= Days of Attendance Lost	Girls	= Days of Attendance Lost
Football	38	68 1/2		
Golf	0		0	
Tennis	0		2	10
Cross-Country	1	1		
Basketball	6	7		
Wrestling	8	14		
Swimming	2	2	0	
Gymnastics	3	5 1/2	12	9 1/2
Baseball	8	11		
Track	3	6	1	0
	69	114	15	19 1/2





UNIT FIVE

INTERSCHOLASTIC ATHLETICS

Varsity athletics resulted in sixty-nine accidents to boys and fifteen accidents to girls resulting in a total loss of 133 1/2 days regular attendance. Football shows the highest incidence for boys with thirty-eight reported injuries, while gymnastics, with twelve reported injuries, is high for the girls. Nearly 5,000 pupils participate in these programs.

Athletic injuries were singled out for specific analysis although they are part of the count for senior high school accidents. They include any injuries which occurred during practice as well as during competitions or games.

		= Days of Attendance Lost		= Days of Attendance Lost
WHERE THEY HAPPENED:				
Athletic Field	48	= 79 1/2	2	= 0
Gymnasium	21	= 34 1/2	13	= 19 1/2
TOTAL	69	= 114	15	= 19 1/2
PART OF BODY INJURED:				
Head	11	= 13	2	= 10
Body (Torso)	11	= 21	3	= 4 1/2
Arm	21	= 18	3	= 1/2
Leg	26	= 62	7	= 4 1/2
TOTAL	69	114	15	19 1/2
NATURE OF INJURY:				
Bruise	8	= 8	2	= 10 1/2
Concussion	3	= 11	1	= 0
Cut	1	= 0	1	= 2
Dislocation	8	= 30	1	= 3
Eye	1	= 0	1	= 0
Fracture	23	= 34	2	= 1/2
Laceration	3	= 0	1	= 1
Severe Blow to Head	1	= 2		
Sprain/Torn Ligament	19	= 24	5	= 2 1/2
Teeth	1	= 0		
Other/Internal	1	= 0	1	= 0
TOTAL	69	114	15	19 1/2

UNIT FIVE

REPORTS FROM INDIVIDUAL SCHOOLS

All senior high schools are listed showing their Average Daily Membership (A.D.M.), major (redordable accidents, number of school days lost and the number of minor (reportable) accidents.

EXAMPLE: SENIOR HIGH SCHOOL	A.D.M.	MAJOR ACCIDENTS	Aggragate Attendance Days Lost	Minor Accidents
Central	218	6	10	N/R

N/R None Reported

The above example indicates that 212 pupils did not sustain any major accidents.

SENIOR HIGH SCHOOL	A.D.M.	MAJOR ACCIDENTS	Aggragate Attendance Days Lost	Minor Accidents
Abraham Lincoln	2,522	80	71	N/R
Boettcher*	62	N/R	-	N/R
East	2,198	21	15 1/2	N/R
George Washington	2,570	68	137	30
J. F. Kennedy	1,505	43	47 1/2	4
Manual	1,432	47	74	16
North	2,028	94	81	39
South	2,250	54	78 1/2	23
Thomas Jefferson	1,893	61	62 1/2	5
West	1,478	42	49	7
TOTAL FULL-TIME SENIOR HIGH	17,938	510	615 1/2	124

*School for severely handicapped

UNIT SIX

THE ANATOMY OF SCHOOL ACCIDENTS

In reviewing the 1,874 major accidents reported in the Denver Public Schools during the 1972-1973 school year, it is important to note that a preponderance of head injuries (728), including 112 injuries to permanent teeth, were sustained. Arm injuries also show a very high incidence.

BODY-TORSO

4	Abdomen
14	Chest
11	Collarbone
19	Hip/Pelvis/Groin
21	Internal/Organs
21	Neck
24	Rib
34	Shoulder
32	Spine/Back
180	

ARM

37	Elbow
217	Finger
86	Hand
108	Wrist
122	Not Specific

6 Other/Unknown

HEAD

12	Ear
65	Eye
120	Face
27	Jaw/Chin
53	Mouth/Tongue
53	Nose
	Concussion/Scalp
138	Severe Blow
112	Tooth
148	Not Specific
728	

LEG

114	Ankle
96	Foot/Toes
94	Knee
86	Not Specific
590	

TOTAL	1,874

UNIT SIX

THE ANATOMY OF SCHOOL ACCIDENTS

Fractures, bruises, sprains, and lacerations rank in order as the most common injuries for the school district. All items in this section should be examined carefully because they illustrate considerable pain and suffering which must be eliminated.

Abrasion	42
Amputation	4
Bite	5
Bruise	309
Burn (Acid/Scald)	20
Concussion	71
Cut/Stab	168
Dislocation	53
Eye	36
Fracture	354
Laceration	262
Puncture	38
Scratch	9
Severe Blow to Head	58
Sprain/Torn Ligament	300
Swallowed Foreign Matter	4
Tooth	105
Other/Internal/Etc.	23
	1,874

EMPLOYEE SECTION

The Denver Public School form used for reporting employee accidents is shown.

DENVER PUBLIC SCHOOLS

REPORT OF EMPLOYEE ACCIDENT

NAME _____ ACCIDENT DATE _____
(Last) (First)

HOME ADDRESS _____ TIME _____ A.M. _____ P.M.

SEX: M F AGE ___ SCHOOL OR DEPARTMENT _____

OCCUPATION _____ SOCIAL SECURITY NUMBER _____

REMINDER: Employee MUST complete State Compensation Insurance Fund Form No. IR47.

ACCIDENT JURISDICTION (CHECK ONE)

SCHOOL

☐ AUDITORIUM ☐ CORRIDOR ☐ LABORATORIES ☐ SHOWERS
☐ GROUNDS ☐ DRESSING ROOM ☐ POOL ☐ STAIRS
☐ CAFETERIA ☐ GYMNASIUM ☐ REST ROOM OTHER (Specify) _____
☐ CLASSROOM ☐ HOME ECONOMICS ☐ SHOP

OTHER DENVER PUBLIC SCHOOL JURISDICTION (Specify) _____

NON-SCHOOL: ☐ HOME ☐ TO AND FROM ☐ BICYCLE ☐ TRAFFIC

NATURE OF INJURY

☐ ABRASION ☐ BURN ☐ LACERATION ☐ SHOCK (EI)
☐ AMPUTATION ☐ CONCUSSION ☐ POISONING ☐ SPRAIN
☐ ASPHYXIATION ☐ CUT ☐ PUNCTURE OTHER (Specify) _____
☐ BITE ☐ DISLOCATION ☐ SCALD
☐ BRUISE ☐ FRACTURE ☐ SCRATCH

PART OF BODY INJURED

☐ ABDOMEN ☐ BACK ☐ ELBOW ☐ FINGER ☐ HEAD ☐ MOUTH ☐ TOOTH
☐ ANKLE ☐ CHEST ☐ EYE ☐ FOOT ☐ KNEE ☐ NOSE ☐ WRIST
☐ ARM ☐ EAR ☐ FACE ☐ HAND ☐ LEG ☐ SCALP OTHER (Specify) _____

DESCRIPTION OF THE ACCIDENT

Describe fully how accident occurred and what person was doing at the time: _____

List specifically the tool, machine, equipment, game, or activity most closely connected with the accident:

Teacher or supervisor in charge: _____

Present at scene of accident: Yes _____ No _____

Witnesses: Name _____ Address _____

Name _____ Address _____

IMMEDIATE ACTION TAKEN

First aid treatment by _____ Sent home by _____

Sent to school nurse by _____ Sent to physician: Dr. _____

Sent to hospital: Name _____

Name and relationship of person notified _____

FOLLOW-UP REPORT

(Complete before mailing copies as marked)

Number of school days missed _____

Signed: Principal _____

Teacher _____

Supervisor _____

ORIGINAL—School or Department copy
DUPLICATE—Health Services copy
TRIPLICATE—Office of Secretary-Treasurer copy

STOCK NO. 10714
FORM 914

SCHOOL OR DEPARTMENT

NAME

UNIT ONE

JOB DESCRIPTIONS BY CLASSIFICATION AND ACCIDENT TOTALS

The Denver Public School had a total of 6,852 employees (all classifications) in 1972-1973.

Classification	Total Accidents	Description
Administrators	14	Directors, supervisors, principals, supervising teachers, assistant principals
Classroom Teachers	257	Certificated teachers in the classroom
Non-Teaching Personnel	51	Counselors, student advisors, nurses, social workers, aides, para-professionals, etc.
Classified and Clerical	29	Clerical, auditors, bookkeepers, audio-visual, etc.
Services Personnel	36	Workers in lunchrooms, transportation, grounds, and all other maintenance departments
	387	

UNIT TWO

ACCIDENTS BY LOCATION

This chart shows the total number of accidents occurring in school buildings and on school grounds for elementary, junior, senior high, and central office employees.

	MALE	FEMALE	Total Building/Grounds
ELEMENTARY:			
Building	28	90	118
Grounds	4	39	43
	32	129	161
JUNIOR HIGH:			
Building	47	58	105
Grounds	6	7	13
	53	65	118
SENIOR HIGH:			
Building	37	30	67
Grounds	9	14	23
	46	44	90
CENTRAL OFFICE:			
Building	6	8	14
Grounds	2	2	4
	8	10	18
	139	248	387

UNIT THREE

ACCIDENTS BY AGE

In this part of the study we wondered if accidents had respect for certain age groups. The 14-19 age group and the 60-64 age group reported significantly fewer accidents.

AGE	MALE	FEMALE	Total Accidents
14 - 19	4	1	5
20 - 29	24	55	79
30 - 39	32	35	67
40 - 49	32	47	79
50 - 59	18	42	60
60 - 64	6	13	19
No Age Given	23	55	78
TOTALS	139	248	387

UNIT FOUR

DAYS OF WORK LOST
GENDER-AGE

Accidents cause more than physical pain and suffering, work is impaired at no small cost to the school district when skilled and highly trained employees are not able to perform their duties.

In so far as can be assertained, the below figures can only reflect the minimum workdays known to be lost at the recording of this study.

	MALE	FEMALE	Total Days Lost
AGE			
14 - 19	6 1/2	2	8 1/2
20 - 29	12	27	39
30 - 39	21 1/2	54	75 1/2
40 - 49	11	35 1/2	46 1/2
50 - 59	8 1/2	19	27 1/2
60 - 64	3	14 1/2	17 1/2
No Age Given	19 1/2	71 1/2	91
	82	223 1/2	305 1/2

SUMMARY

All persons reading this report are charged with determining the role they must play in the prevention of accidents. The extent to which we are successful can only be measured against the 1973-1974 school year. Will we have fewer accidents? Will pupils and employees be at school and on the job? Together, we can accept this responsibility.

CENTRAL STAFF can direct their efforts toward providing safer instructional materials and programs, staff development programs, and continual safety evaluations of the school district.

PRINCIPALS must be mindful of the overall school program and plant as they affect the safety of pupils and staff.

TEACHERS must accept the need for closer supervision of pupils in all activities in order to create a safer school environment.

PARENTS will find a comprehensive picture of the causes of accidents which will be useful in home instruction.